



A service of the National Library of Medicine  
and the National Institutes of Health

My NCBI

[\[Sign in\]](#) [\[Register\]](#)

[All Databases](#)

[PubMed](#)

[Nucleotide](#)

[Protein](#)

[Genome](#)

[Structure](#)

[GEMM](#)

[PMC](#)

[Journals](#)

[Book](#)

Search MeSH

☒ for E3 ubiquitin ligase[MULTI]

[Save](#)  
[Search](#)

[Limits](#)

[Preview/Index](#)

[History](#)

[Clipboard](#)

[Details](#)

[About Entrez](#)

[Text Version](#)

[Entrez PubMed](#)

[Overview](#)

[Help | FAQ](#)

[Tutorials](#)

[New/Noteworthy](#) ☒

[E-Utilities](#)

[PubMed Services](#)

[Journals Database](#)

[MeSH Database](#)

[Single Citation](#)

[Matcher](#)

[Batch Citation](#)

[Matcher](#)

[Clinical Queries](#)

[Special Queries](#)

[LinkOut](#)

[My NCBI](#)

[Related Resources](#)

[Order Documents](#)

[NLM Mobile](#)

[NLM Catalog](#)

[NLM Gateway](#)

[TOXNET](#)

[Consumer Health](#)

[Clinical Alerts](#)

[ClinicalTrials.gov](#)

[PubMed Central](#)

Display ☒ Full

Show ☒ 20

Send to ☒

☒ All: 1

- If making selections (e.g., Subheadings, etc.), use the [Send to Search Box](#) feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select [NLM MeSH Browser](#) under the Links menu for additional information.

#### ☒ 1: Ubiquitin-Protein Ligases

[Links](#)

A diverse class of enzymes that interact with UBIQUITIN-CONJUGATING ENZYMES and ubiquitination-specific protein substrates. Each member of this enzyme group has its own distinct specificity for a substrate and ubiquitin-conjugating enzyme. Ubiquitin-protein ligases exist as both monomeric proteins multiprotein complexes.

Year introduced: 2004

**Subheadings:** This list includes those paired at least once with this heading in MEDLINE and may not reflect current rules for allowable combinations.

- ☐ administration and dosage ☐ analysis ☐ antagonists and inhibitors  
☐ biosynthesis ☐ blood ☐ chemistry ☐ classification ☐ deficiency  
☐ diagnostic use ☐ drug effects ☐ genetics ☐ history ☐ immunology  
☐ isolation and purification ☐ metabolism ☐ pharmacology ☐ physiology  
☐ radiation effects ☐ secretion ☐ therapeutic use ☐ toxicity ☐ ultrastructure

☐ Restrict Search to Major Topic headings only.

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Registry Number: EC 6.3.2.19

Entry Terms:

- Ligases, Ubiquitin-Protein
- Ubiquitin Protein Ligases
- Ubiquitin-Protein Ligase E3
- Ligase E3, Ubiquitin-Protein
- Ubiquitin Protein Ligase E3
- Ubiquitin Ligase E3
- E3, Ubiquitin Ligase
- Ligase E3, Ubiquitin
- Ubiquitin-Protein Ligase
- Ligase, Ubiquitin-Protein
- Ubiquitin Protein Ligase
- E3 Ligase
- Ligase, E3
- E3 Ubiquitin Ligase
- Ligase, E3 Ubiquitin
- Ubiquitin Ligase, E3

Previous Indexing:

- [Ligases \(1983-2003\)](#)

[All MeSH Categories](#)

[Chemicals and Drugs Category](#)

[Enzymes and Coenzymes](#)

[Enzymes](#)

[Ligases](#)

[Ubiquitin-Protein Ligase Complexes](#)

[Ubiquitin-Protein Ligases](#)

[Fanconi Anemia](#)

[Complementation Group](#)

[L Protein](#)

[Proto-Oncogene Proteins](#)

[c-cbl](#)

[Proto-Oncogene Proteins](#)

[c-mdm2](#)

[SKP Cullin F-Box Protein](#)

[Ligases](#)

[Cullin Proteins](#)

[Von Hippel-Lindau](#)

[Tumor Suppressor Protein](#)

Display Full

Send to

Show 20

[Write to the Help Desk](#)

[NCBI | NLM | NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

